

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method ~~of making a clad self-brazing alloy~~ comprising the steps of making a clad self-brazing alloy by providing a base metal alloy, providing a cladding consisting essentially of copper and aluminum, and pressing said cladding to said base metal alloy to bond said cladding to and form a brazing layer on said base metal alloy, said base metal alloy having a melting point higher than said cladding, said cladding having an initial thickness of at least 0.042 inches prior to being pressed to said base metal alloy, and brazing said self-brazing alloy to a metal surface at elevated temperature.

Claim 2 (currently amended): A method ~~of making a clad self-brazing alloy~~ comprising the steps of making a clad self-brazing alloy by providing a base metal alloy, providing a cladding consisting essentially of copper and nickel, and pressing said cladding to said base metal alloy to bond said cladding to and form a brazing layer on said base metal alloy, said base metal alloy having a melting point higher than said cladding, said cladding being essentially free of zinc and comprising nickel in a proportion of 10% to 28%, and brazing said self-brazing alloy to a metal surface at elevated temperature.

Claim 3 (currently amended): A method ~~of making a clad self-brazing alloy~~

according to claim 1 or 2, where in said pressing comprises the step of roll bonding to form a roll bonded composite.

Claim 4 (currently amended): A method of ~~making a clad self-brazing material~~ according to claim 3, wherein said cladding ~~comprises~~ is made from layers of commercially pure copper and commercially pure aluminum.

Claim 5 (currently amended): A method of ~~making a clad self-brazing material~~ according to claim 4, wherein the ~~thickness~~ thicknesses of the copper and aluminum layers are selected to produce a cladding consisting essentially of 2% aluminum to up to 100% aluminum.

Claim 6 (currently amended): A method of ~~making a clad self-brazing material~~ according to claim 4, wherein the ~~thickness~~ thicknesses of the copper and aluminum layers are selected to produce a cladding consisting essentially of 2% aluminum to 30% aluminum.

Claim 7 (currently amended): A method of ~~making a clad self-brazing material~~ according to claim 4, wherein the ~~thickness~~ thicknesses of the copper and aluminum layers are selected to produce a cladding consisting essentially of 5% aluminum and the balance copper.

Claim 8 (currently amended): A method of ~~making a clad self-brazing~~

material according to claim 4, wherein the thickness thicknesses of the copper and aluminum layers are 0.030" and 0.0075", respectively, prior to said roll bonding step.

Claim 9 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 4, wherein the thickness thicknesses of the copper and aluminum layers are 0.030" and 0.012", respectively, prior to said roll bonding step.

Claim 10 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 4, wherein said base metal alloy is stainless steel.

Claim 11 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 4, including the further step of cold rolling said roll bonded composite to a final gauge.

Claim 12 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 11, wherein said final gauge is 0.017".

Claim 13 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 4, wherein ~~said layers are~~ a layer of said cladding is provided on each side of said base metal alloy.

Claim 14 (currently amended): A method ~~of making a clad self-brazing~~

material according to claim 13, wherein copper comprises an outer layer on each side of said composite is a copper layer.

Claim 15 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 4, wherein ~~copper comprises an outer layer of said composite~~ is a copper layer.

Claim 16 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 15, wherein an outer layer of said composite is said base metal ~~comprises another outer layer of said composite~~.

Claim 17 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 16, wherein said base metal is stainless steel.

Claim 18 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 3, wherein said cladding ~~comprises~~ is made from layers of commercially pure copper and commercially pure nickel.

Claim 19 (currently amended): A method ~~of making a clad self-brazing material~~ according to claim 18, wherein the thicknesses of the copper and nickel layers are selected to produce a cladding consisting essentially of 10% to up to 100% to 25% nickel.

Claim 20 (currently amended): A method of making a clad self-brazing alloy according to claim 18, wherein the thicknesses of the copper and nickel layers are selected to produce a cladding consisting essentially of 20% to ~~20%~~ 40% nickel.

Claim 21 (currently amended): A method of making a clad self-brazing alloy according to claim 18, wherein the ~~thickness~~ thicknesses of the copper and nickel layers are selected to produce a cladding consisting essentially of 25% nickel and the balance copper.

Claim 22 (currently amended) A method of making a clad self-brazing alloy according to claim 18, wherein the ~~thickness~~ thicknesses of the copper and nickel layers are 0.030" and 0.010", respectively, prior to said roll bonding step.

Claims 23-43: (canceled)

Claim 44 (currently amended): A method according to claim ~~[[43]]~~ 1 or 2, said elevated temperature being at least 1130°C.

Claim 45 (currently amended): A method according to claim ~~[[43]]~~ 1 or 2, said elevated temperature being 1130°C.

Claim 46 (currently amended): A method according to claim ~~[[43]]~~ 1 or 2, said elevated temperature being at least 1200°C.

Claim 47 (currently amended): A method according to claim [[43]] 1 or 2, said elevated temperature being 1200°C.

Claim 48: (canceled)

Claim 49 (new): A method according to claim 4, adjacent layers of copper and aluminum being metallurgically bonded to one another.

Claim 50 (new): A method according to claim 1, said cladding being metallurgically bonded to said base metal alloy.